

Process:

Started by taking actual Built Green models for homes permitted under the 2015 and 2018 WSEC-R.
Looked for homes ~10% better than 2018 WSEC-R code or more.
Indicated house size, Built Green star level, fuel choices, and % above code.

Comparing to code and reporting energy savings (aka %improvement or % above code):

Utilized the User Defined Reference Homes created by BetterBuiltNW and Energy Trust EPS programs.

See UDRH tab for basic definitions of UDRHs

Ran a Fuel Summary report in REM/Rate that compares home projected energy use to UDRH projected energy use.

Focused on blend of Zonal and Central systems.

E-E = Electric Space Heat and Electric Water Heat

EG-E = Electric Space Heat with Gas Backup and Electric Water Heat

G-E = Gas Space Heat + AC and Electric Water Heat

G-G = Gas Space Heat + AC and Gas Water Heat

ERIs:

Used REM/Rate 2015 and 2018 ERI reports to generate

ERI report compares home to version of ANSI/RESNET/IECC Standard 301 for modeling available at the time of code release.

Carbon:

Used REM/Rate emissions report